

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>102</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD0003_01_s_2019_102				
Comment Code					
Inspector Comment					
LMA has a copy of the O & M manual on file at district office.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>103</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD0003_01_s_2013_103				
Comment Code					
Inspector Comment					
District keeps supplies at pumphouse on Steamboat Slough and at Ryde. District says it has adequate supplies.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>104</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD0003_01_s_2013_104				
Comment Code					
Inspector Comment					
District personnel have done flood fight training course in the last two years.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

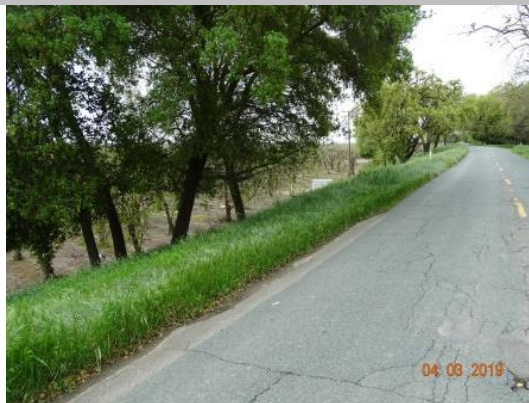
## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	0.00	Rating **	M	Issue No.	80
LM End	2.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304005 °	38.275925 °
				-121.574313 °	-121.589973 °
DWR ID	DWR_RD0003_01_s_2019_80				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The LMA needs to maintain annual vegetation.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_80\_20190403\_00167.jpg



View looking downstream at vegetation on the landside slope (Spring 2019).

LM Start	0.13	Rating **	M	Issue No.	19
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.303305 °	38.303305 °
				-121.576537 °	-121.576537 °
DWR ID	DWR_RD0003_01_f_2012_19				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree branches and limbs are located on waterward shoulder.					

Photo 1 of 2 : SP\_2019\_RD0003\_24\_19\_20190311\_00017.jpg



Looking north at tree branches on waterward slope. (Fall 2016)

LM Start	<b>0.13</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>0.13</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_RD0003\_24\_19\_20190311\_00018.jpg



Looking west at tree branch on waterward shoulder and slope. (Fall 2016)

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	0.13	Rating **	M	Issue No.	2	
LM End	0.13	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.303303°	38.303303°	
				-121.576538°	-121.576538°	
DWR ID	DWR_RD0003_01_f_2013_2					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
A hole (8ft x 2.5ft x 5ft) is next to a large tree on waterward shoulder.						

Photo 1 of 3 : SP\_2019\_RD0003\_24\_2\_20190311\_00001.jpg



Looking east at hole at the base of an oak tree on the waterward shoulder. (2016)

LM Start	<b>0.13</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.13</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP\_2019\_RD0003\_24\_2\_20190311\_00002.jpg



Looking at a hole next to oak tree on waterward shoulder. (2015)

LM Start	<b>0.13</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.13</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2019\_RD0003\_24\_2\_20190311\_00003.jpg



Looking east at hole at base of tree on waterward shoulder. (2014)

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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# Reclamation District No. 0003 Grand Island

USACE 2013 Photo #1Page 4 of 27

**Flood Control Project Maintenance  
Levee Inspections**

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

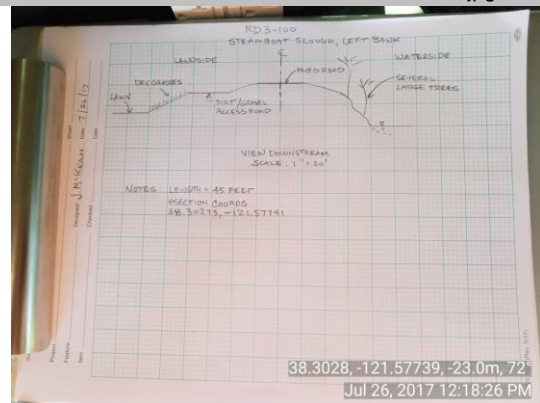
LM Start	0.18	Rating **	A/W	Issue No.	52 (cont)
LM End	0.21	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.302981 °	38.302778 °
				-121.577336 °	-121.577683 °
DWR ID	DWR_RD0003_01_s_2018_52				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description: District station 9+63 to 10+85, Sec. 07, T. 5 N. R. 4 E., M.D.M. An erosion site exists along approximately 122 linear feet of the waterside slope of Steamboat Slough (Unit 1). Erosion commences approximately 1/3 of the way down the slope from the crown to the waterside toe. Erosion is undercutting existing trees.					
Site ID No: 274					
Site Designation: LMA-100					
Repair Type: Erosion					
Rating: Serious					
Field Date: 7/26/2017					
Notes: trees undercut by erosion					

Photo 2 of 3 : LEVAL\_SP\_2019\_274\_2392.jpg



LM Start	<b>0.18</b>	Rating **	A/W	Issue No.	<b>52 (cont)</b>
LM End	<b>0.21</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : LEVAL\_SP\_2019\_274\_2395.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	0.52	Rating **	M	Issue No.	88
LM End	4.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.298852 °	38.252558 °
				-121.580501 °	-121.600832 °
DWR ID	DWR_RD0003_01_s_2019_88				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation.					

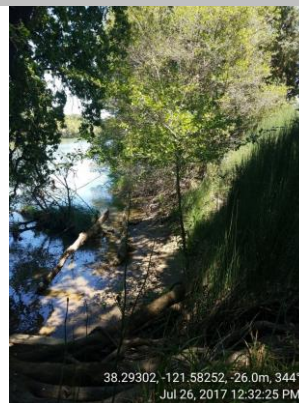
Photo 1 of 1 : SP\_2019\_RD0003\_24\_88\_20190403\_00168.jpg



View looking downstream at annual vegetation on the waterside slope (Spring 2019).

LM Start	0.91	Rating **	A/W	Issue No.	53
LM End	0.97	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.293381 °	38.292617 °
				-121.582450 °	-121.582675 °
DWR ID	DWR_RD0003_01_s_2018_53				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description: District station 48+20 to 51+06, Sec. 07, T. 5 N. R. 4 E., M.D.M. An erosion site exists along approximately 286 linear feet of the waterside slope of Steamboat Slough (Unit 1). The erosion begins approximately 1/2 of the way down the slope from the crown to the waterside toe. Erosion is undercutting existing trees.					
Site ID No: 275					
Site Designation: LMA-101					
Repair Type: Erosion					
Rating: Serious					
Field Date: 7/26/2017					
Notes:					

Photo 1 of 3 : LEVAL\_SP\_2019\_275\_2396.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0003 Grand Island

LM Start	<b>0.91</b>	Rating **	A/W	Issue No.	<b>53 (cont)</b>
LM End	<b>0.97</b>	Issue Type +	Ma	Location *	WS

38.29302, -121.58243, -21.0m, 355°  
Jul 26, 2017 12:33:08 PM

Page 7 of 27

**Flood Control Project Maintenance  
Levee Inspections**

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### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	0.91	Rating **	A/W	Issue No.	49
LM End	0.96	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.293386 °	38.292675 °
				-121.582554 °	-121.582741 °
DWR ID	DWR_RD0003_01_f_2018_49				
Comment Code					
Inspector Comment					
2017 Site ID: STM 25.0 L					
Status: Critical					
2018: Deep erosion into levee toe. Roots are exposed. I would consider this critical.					
2017 Field Notes: Upgraded to critical. Site has eroded to near vertical at upstream end.					
Site History: 1997 - Erosion of sandy levee on top left bank. Site is downstream of a rock section. Large riparian trees on the bank. 1999 - Upstream half of the reach repaired with rock, except for a 30 ft reach at the upstream end. 2001 - Rock repair on the upstream and downstream ends; no revetment at the trees. 2002 - Rock repair is starting to slide off the geotextile at the upstream end. 2005 - One new small tree has fallen. 2006 - 50 ft pocket at the downstream end and at the upstream end with new rock in between. 2007 - Upstream end has been repaired. 2008 - Area closed sign on bank. Newly fallen trees at both ends and pop outs along the bank. 2010 - Site extended downstream. 2011 - New erosion at the toe. More trees popouts. 2013 - Short vertical sections observed at the downstream end. 2015 - Significant new erosion, large oak tree on verge of popping out. 2016 - Sites 24.8 and 25 were combined.					

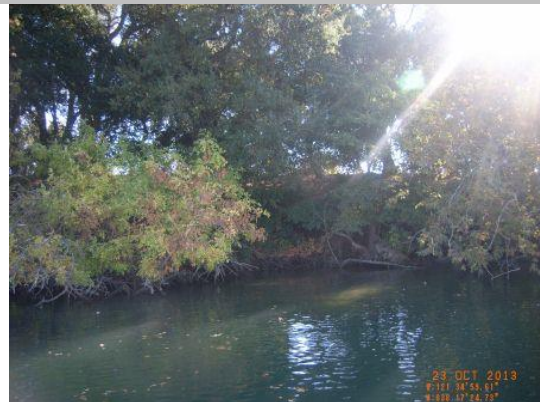
Photo 1 of 1 : SP\_2019\_RD0003\_24\_49\_20190311\_00030.jpg



USACE 2013 Photo #1

LM Start	1.03	Rating **	U	Issue No.	56
LM End	1.18	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.291695 °	38.289575 °
				-121.582993 °	-121.583092 °
DWR ID	DWR_RD0003_01_f_2018_56				
Comment Code					
Inspector Comment					
2017 Site ID: STM 24.8 L					
Status: Eroding					
2018: Pockets of erosion that are deep into the levee toe that I would consider critical (Djulian).					
2017 Field Notes: New erosion at toe.					
Site History: 2008 - Area closed sign on bank. Newly fallen trees at both ends and pop outs along the bank. 2010 - Site extended downstream. 2011 - New erosion at the toe. More trees popouts. 2013 - Short vertical sections observed at the downstream end.					

Photo 1 of 2 : SP\_2019\_RD0003\_24\_56\_20190311\_00041.jpg



USACE 2013 Photo #1

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



# Reclamation District No. 0003 Grand Island

USACE 2013 Photo #2

38.29137, -121.58282, -22.0m, 195°  
Jul 26, 2017 12:38:28 PM

Page 9 of 27

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	1.09	Rating **	A/W	Issue No.	60 (cont)	
LM End	1.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.290819 °	38.290706 °	
				-121.582942 °	-121.582939 °	
DWR ID	DWR_RD0003_01_f _ 2017_60					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:District station 57+57 to 57+98, Sec. 18, 1. 5 N. R. 4 E., M.D.M. An erosion site exists along approximately 41 linear feet of the water side slope of Steamboat Slough (Unit 1). The erosion commences approximately 1/2 of the way down the slope from the crown to the waterside toe.						
Site ID No:276						
Site Designation:LMA-102						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/26/2017						
Notes:						

Photo 2 of 3 : SP\_2019\_RD0003\_24\_60\_20190311\_00047.jpg



Photo 3 of 3 : SP\_2019\_RD0003\_24\_60\_20190311\_00048.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	1.46	Rating **	C	Issue No.	64
LM End	1.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.285978 °	38.285978 °
				-121.584580 °	-121.584580 °
DWR ID	DWR_RD0003_01_f_2018_64				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen branch should be removed.					

No Photos

LM Start	1.69	Rating **	M	Issue No.	62
LM End	1.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.283747 °	38.283747 °
				-121.587622 °	-121.587622 °
DWR ID	DWR_RD0003_01_f_2016_62				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a broken tree branch on the waterward slope.					

Photo 1 of 2 : SP\_2019\_RD0003\_24\_62\_20190311\_00049.jpg



LM Start	<b>1.69</b>	Rating **	M	Issue No.	<b>62 (cont)</b>
LM End	<b>1.69</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_RD0003\_24\_62\_20190311\_00050.jpg



Looking southwest at broken branches on waterward slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

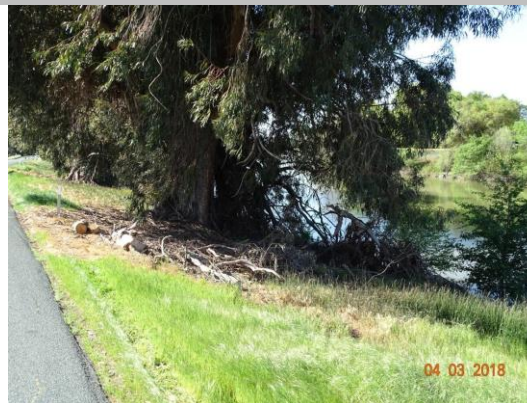
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	1.91	Rating **	M	Issue No.	54
LM End	1.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.280638 °	38.280638 °
				-121.588457 °	-121.588457 °
DWR ID	DWR_RD0003_01_s_2018_54				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree trimmings from the waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_54\_20190311\_00039.jpg



Cut branches on waterside slope.

LM Start	2.27	Rating **	M	Issue No.	55
LM End	2.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.275827 °	38.275827 °
				-121.589979 °	-121.589979 °
DWR ID	DWR_RD0003_01_s_2018_55				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a fallen tree on the waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_55\_20190311\_00040.jpg



Fallen tree limb on waterside.

LM Start	2.53	Rating **	U	Issue No.	65
LM End	2.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.272886 °	38.272262 °
				-121.587624 °	-121.588010 °
DWR ID	DWR_RD0003_01_s_2018_65				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_65\_20190311\_00054.jpg



Landside vegetation.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	2.57	Rating **	M	Issue No.	109
LM End	10.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.272316 °	38.184120 °
				-121.588024 °	-121.647614 °
DWR ID	DWR_RD0003_01_s_2019_109				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_109\_20190403\_00171.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

LM Start	2.66	Rating **	M	Issue No.	82
LM End	2.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.271128 °	38.271128 °
				-121.588634 °	-121.588634 °
DWR ID	DWR_RD0003_01_f_2017_82				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree limbs should be removed from the waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_82\_20190311\_00075.jpg



Looking southwest at waterside slope.

LM Start	2.69	Rating **	M	Issue No.	29
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.270733 °	38.270733 °
				-121.588708 °	-121.588708 °
DWR ID	DWR_RD0003_01_s_2018_29				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a large tree limb on the waterside slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	3.16	Rating **	N	Issue No.	47
LM End	3.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.264154 °	38.264154 °
				-121.587242 °	-121.587242 °
DWR ID	DWR_RD0003_01_s_2012_47				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
There are 6 large stumps on the slope.					

No Photos

LM Start	4.87	Rating **	M	Issue No.	83
LM End	4.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.245903 °	38.245903 °
				-121.600851 °	-121.600851 °
DWR ID	DWR_RD0003_01_f_2017_83				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
The landside slope has a depression.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_83\_20190311\_00076.jpg



Looking east on landside slope.

LM Start	5.65	Rating **	M	Issue No.	63
LM End	5.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.234721 °	38.234721 °
				-121.601709 °	-121.601709 °
DWR ID	DWR_RD0003_01_f_2016_63				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim the growth from the tree so that the levee slope can be seen.					

Photo 1 of 2 : SP\_2019\_RD0003\_24\_63\_20190311\_00051.jpg



View of slope where tree limb was removed. Now the extra growth on the existing branches needs to be removed (October 2018).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	5.65	Rating **	M	Issue No.	63 (cont)	
LM End	5.65	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.234721 °		38.234721 °
				-121.601709 °		-121.601709 °
DWR ID	DWR_RD0003_01_f_2016_63					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						
Trim the growth from the tree so that the levee slope can be seen.						

Photo 2 of 2 : SP\_2019\_RD0003\_24\_63\_20190311\_00052.jpg



Low-lying tree limb should be removed from landside slope.

LM Start	5.98	Rating **	M	Issue No.	94
LM End	5.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.230100 °	38.230100 °
				-121.601700 °	-121.601700 °
DWR ID	DWR_RD0003_01_f_2018_94				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
There is wild growth on the waterside slope which should be removed					

No Photos

LM Start	7.44	Rating **	M	Issue No.	89
LM End	7.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.210200 °	38.210200 °
				-121.607809 °	-121.607809 °
DWR ID	DWR_RD0003_01_s_2018_89				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
The low leaning tree on the waterside is beginning to inhibit inspection and access. It should be removed.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_89\_20190403\_00173.jpg



View looking downstream at fallen tree on the waterside slope (Spring 2019).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	8.82	Rating **	M	Issue No.	101
LM End	8.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.193568 °	38.193568 °
				-121.619040 °	-121.619040 °
DWR ID	DWR_RD0003_01_f_2018_101				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	8.84	Rating **	M	Issue No.	105
LM End	8.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.193413 °	38.193413 °
				-121.619320 °	-121.619320 °
DWR ID	DWR_RD0003_01_f_2018_105				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	8.92	Rating **	U	Issue No.	39
LM End	8.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.193000 °	38.193000 °
				-121.620700 °	-121.620700 °
DWR ID	DWR_RD0003_01_f_2018_39				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Remove the rotting tree stump.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_39\_20190311\_00026.jpg



View of rotting tree stump on water side crown (October 2018).

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	





**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.15	Rating **	A/W	Issue No.	72 (cont)	
LM End	10.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.188431 °	38.187803 °	
				-121.641703 °	-121.642478 °	
DWR ID	DWR_RD0003_01_f_2017_72					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:District station 536+35 to 539+47, Sec. 16, T. 4 N. R. 3 E., M.D.M. The waterside slope experienced sloughing and erosion along approximately 312 linear feet of Steamboat Slough (Unit 1). Sloughing commences at approximately 1/4 of the way down the slope from the crown and extends to the rip rap.						
Site ID No:277						
Site Designation:LMA-103						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/26/2017						
Notes:						

Photo 3 of 3 : SP\_2019\_RD0003\_24\_72\_20190311\_00062.jpg



LM Start	10.62	Rating **	M	Issue No.	46
LM End	10.69	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.184180 °	38.183798 °
				-121.648055 °	-121.649246 °
DWR ID	DWR_RD0003_01_f_2018_46				
Comment Code					
Inspector Comment					
2017 Site ID: STM 15.5 L					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2016 - Large erosion pockets observed.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.67	Rating **	A/W	Issue No.	73	
LM End	10.92	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.183810 °	38.182480 °	
				-121.648780 °	-121.653150 °	
DWR ID	DWR_RD0003_01_f_2017_73					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:63						
Site Designation:DWR_RD0003_01_R_2012_03						
Repair Type: Erosion						
Rating:Serious						
Field Date:6/8/2017						
Notes: scattered erosion scarps caving into levee crown, within erosion limit crown width ranges from 15 to 30', several trees with exposed tree roots and leaning into the river.						

LM Start	<b>10.67</b>	Rating **	A/W	Issue No.	<b>73 (cont)</b>
LM End	<b>10.92</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : SP\_2019\_RD0003\_24\_73\_20190311\_00063.jpg



Photo 2 of 3 : SP\_2019\_RD0003\_24\_73\_20190311\_00064.jpg



* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.67	Rating **	A/W	Issue No.	73 (cont)
LM End	10.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.183810 °	38.182480 °
				-121.648780 °	-121.653150 °
DWR ID	DWR_RD0003_01_f_2017_73				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:63					
Site Designation:DWR_RD0003_01_R_2012_03					
Repair Type: Erosion					
Rating:Serious					
Field Date:6/8/2017					
Notes: scattered erosion scarps caving into levee crown, within erosion limit crown width ranges from 15 to 30', several trees with exposed tree roots and leaning into the river.					

Photo 3 of 3 : SP\_2019\_RD0003\_24\_73\_20190311\_00065.jpg



LM Start	10.75	Rating **	A/W	Issue No.	96
LM End	10.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.183422 °	38.183422 °
				-121.650182 °	-121.650182 °
DWR ID	DWR_RD0003_01_s_2013_96				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Levee is extra wide in this section. Erosion is occurring outside the theoretical prism.					

Photo 1 of 2 : SP\_2019\_RD0003\_24\_96\_20190311\_00082.jpg



Looking northwest at erosion on waterward slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.75	Rating **	A/W	Issue No.	96 (cont)	
LM End	10.75	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.183422 °		38.183422 °
				-121.650182 °		-121.650182 °
DWR ID	DWR_RD0003_01_s_2013_96					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Levee is extra wide in this section. Erosion is occurring outside the theoretical prism.						

Photo 2 of 2 : SP\_2019\_RD0003\_24\_96\_20190311\_00083.jpg



Looking southwest at erosion on waterward slope.

LM Start	10.78	Rating **	A/W	Issue No.	97
LM End	10.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.183228 °	38.183123 °
				-121.650797 °	-121.651070 °
DWR ID	DWR_RD0003_01_s_2013_97				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Levee is extra wide in this section. Erosion is occurring outside the theoretical prism.					

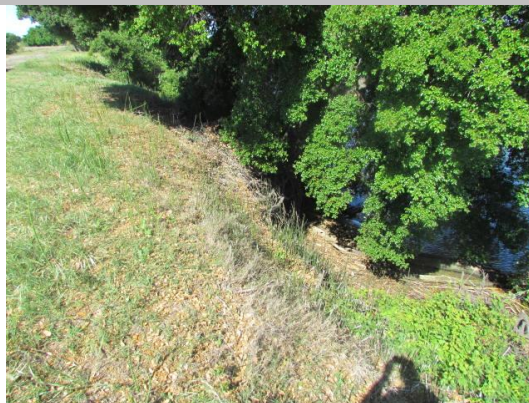
Photo 1 of 2 : SP\_2019\_RD0003\_24\_97\_20190311\_00084.jpg



Looking south at erosion on waterward slope.

LM Start	<b>10.78</b>	Rating **	A/W	Issue No.	<b>97 (cont)</b>
LM End	<b>10.80</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_RD0003\_24\_97\_20190311\_00085.jpg



Looking southwest at erosion on waterward slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.83	Rating **	M	Issue No.	92
LM End	10.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.182957 °	38.182957 °
				-121.651585 °	-121.651585 °
DWR ID	DWR_RD0003_01_f _ 2017_92				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	10.83	Rating **	M	Issue No.	212
LM End	10.83	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.182982 °	38.182982 °
				-121.651610 °	-121.651610 °
DWR ID	22206				
Comment Code					
Inspector Comment					
FS_ID:29165 DS_ID:22206 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: *ABANDONED* 1 of 3: 36-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Flap gate at the WS toe has been sealed shut with sealant. [Additional Reference(s): DWR Levee Log, 1993, referenced as 24 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 15.20), referenced as invert elevation 24 feet below the crown]. FS Date: 2/11/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_29165\_53866.jpg



36-inch CMP drainpipe with flapgate on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.83	Rating **	M	Issue No.	212 (cont)	
LM End	10.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.182982 °		38.182982 °
				-121.651610 °		-121.651610 °
DWR ID	22206					
Comment Code						
Inspector Comment						
FS_ID:29165 DS_ID:22206 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: *ABANDONED* 1 of 3: 36-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Flap gate at the WS toe has been sealed shut with sealant. [Additional Reference(s): DWR Levee Log, 1993, referenced as 24 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 15.20), referenced as invert elevation 24 feet below the crown]. FS Date: 2/11/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_29165\_53865.jpg



Slide gate in 48-inch CMP riser on WS shoulder.

LM Start	<b>10.83</b>	Rating **	M	Issue No.	<b>212 (cont)</b>
LM End	<b>10.83</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_29165\_53864.jpg



Steel weir on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.83	Rating **	M	Issue No.	213
LM End	10.83	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.182973 °	38.182973 °
				-121.651645 °	-121.651645 °
DWR ID	22349				
Comment Code					
Inspector Comment					
FS_ID:29164					
DS_ID:22349					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears abandoned and should be verified as having been filled with grout.					
FIELD_STRUCT_DESC: *ABANDONED* 2 of 3: 36-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Steel intake weir at the landside (LS) toe. Steel plate welded over the pipe on the WS toe. [Additional Reference(s): DWR Levee Log, 1993, referenced as 24 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 15.20), referenced as invert elevation 24 feet below the crown].					
FS Date: 2/11/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_29164\_53862.jpg



Drainpipe visible on WS toe with steel plate welded over end.

LM Start	<b>10.83</b>	Rating **	M	Issue No.	<b>213 (cont)</b>
LM End	<b>10.83</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_29164\_53861.jpg



48-inch CMP riser with slide gate closed on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.83	Rating **	M	Issue No.	213 (cont)	
LM End	10.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.182973 °	38.182973 °	
				-121.651645 °	-121.651645 °	
DWR ID	22349					
Comment Code						
Inspector Comment						
FS_ID:29164						
DS_ID:22349						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe appears abandoned and should be verified as having been filled with grout.						
FIELD_STRUCT_DESC: *ABANDONED* 2 of 3: 36-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Steel intake weir at the landside (LS) toe. Steel plate welded over the pipe on the WS toe. [Additional Reference(s): DWR Levee Log, 1993, referenced as 24 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 15.20), referenced as invert elevation 24 feet below the crown].						
FS Date: 2/11/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_29164\_53860.jpg



Steel weir on LS toe.

LM Start	10.86	Rating **	A/W	Issue No.	98
LM End	10.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.182792 °	38.182672 °
				-121.652142 °	-121.652555 °
DWR ID	DWR_RD0003_01_s_2013_98				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Levee is extra wide in this section. Erosion is occurring outside the theoretical prism.					

Photo 1 of 3 : SP\_2019\_RD0003\_24\_98\_20190311\_00086.jpg



Looking north at erosion on waterward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.86	Rating **	A/W	Issue No.	98 (cont)	
LM End	10.89	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.182792 °	38.182672 °	
				-121.652142 °	-121.652555 °	
DWR ID	DWR_RD0003_01_s_2013_98					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Levee is extra wide in this section. Erosion is occurring outside the theoretical prism.						

Photo 2 of 3 : SP\_2019\_RD0003\_24\_98\_20190311\_00087.jpg



Looking northwest at erosion on waterward shoulder and slope.

LM Start	<b>10.86</b>	Rating **	A/W	Issue No.	<b>98 (cont)</b>
LM End	<b>10.89</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2019\_RD0003\_24\_98\_20190311\_00088.jpg



Looking west at erosion on waterward slope.

LM Start	10.91	Rating **	A/W	Issue No.	99
LM End	10.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.182537 °	38.182388 °
				-121.652987 °	-121.653388 °
DWR ID	DWR_RD0003_01_s_2019_99				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Levee is extra wide in this section. Erosion is occurring outside the theoretical prism.					

Photo 1 of 2 : SP\_2019\_RD0003\_24\_99\_20190311\_00089.jpg



Looking west at erosion on waterward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.91	Rating **	A/W	Issue No.	99 (cont)
LM End	10.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.182537 °	38.182388 °
				-121.652987 °	-121.653388 °
DWR ID	DWR_RD0003_01_s_2019_99				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Levee is extra wide in this section. Erosion is occurring outside the theoretical prism.					

Photo 2 of 2 : SP\_2019\_RD0003\_24\_99\_20190311\_00090.jpg



Looking north at erosion on waterward shoulder and slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	0.00	Rating **	M	Issue No.	193	
LM End	9.01	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation				°	38.236764 °
					°	-121.559424 °
DWR ID	DWR_RD0003_02_s_2019_193					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						
Maintain annual vegetation.						

Photo 1 of 1 : SP\_2019\_RD0003\_25\_193\_20190404\_00337.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

LM Start	0.25	Rating **	M	Issue No.	205	
LM End	0.25	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments				o	
					o	
DWR ID	DWR_RD0003_02_s_2019_205					
Comment Code						
TR : Tree or limb						
Inspector Comment						

No Photos

LM Start	0.30	Rating **	M	Issue No.	5
LM End	0.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174281 °	38.174209 °
				-121.648698 °	-121.648352 °
DWR ID	DWR_RD0003_02_s_2019_5				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
There is arundo on the waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_5\_20190311\_00005.jpg



Looking southeast at arundo on waterward slope. (Fall 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	0.31	Rating **	U	Issue No.	151
LM End	0.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174235 °	38.174109 °
				-121.648479 °	-121.647870 °
DWR ID	DWR_RD0003_02_s_2016_151				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove young willows along landside toe.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_151\_20190311\_00128.jpg



Looking west at landside slope.

LM Start	<b>0.31</b>	Rating **	U	Issue No.	<b>151 (cont)</b>
LM End	<b>0.35</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_151\_20190311\_00129.jpg



Looking west at dense vegetation at landward toe.

LM Start	0.37	Rating **	M	Issue No.	206
LM End	3.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174023 °	38.172319 °
				-121.647496 °	-121.594960 °
DWR ID	DWR_RD0003_02_s_2019_206				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	0.37	Rating **	U	Issue No.	3
LM End	0.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174020°	38.174020°
				-121.647458°	-121.647458°
DWR ID	DWR_RD0003_02_f_2018_3				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove arundo from waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_3\_20190311\_00004.jpg



View of arundo on waterside slope (October 2018).

LM Start	1.57	Rating **	M	Issue No.	129
LM End	1.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.168700 °	38.168700 °
				-121.627233 °	-121.627233 °
DWR ID	DWR_RD0003_02_s_2017_129				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove remaining branches and stump of downed tree from the waterside slope.					

Photo 1 of 3 : SP\_2019\_RD0003\_25\_129\_20190311\_00091.jpg



View of tree limbs that have mostly been removed from waterside slope (October 2018).

LM Start	<b>1.57</b>	Rating **	M	Issue No.	<b>129 (cont)</b>
LM End	<b>1.57</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP\_2019\_RD0003\_25\_129\_20190311\_00092.jpg



Looking east at waterside slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	1.57	Rating **	M	Issue No.	129 (cont)	
LM End	1.57	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.168700 °		38.168700 °
				-121.627233 °		-121.627233 °
DWR ID	DWR_RD0003_02_s_2017_129					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Remove remaining branches and stump of downed tree from the waterside slope.						

Photo 3 of 3 : SP\_2019\_RD0003\_25\_129\_20190311\_00093.jpg



Looking east at fallen tree on waterward slope.

LM Start	1.67	Rating **	M	Issue No.	130
LM End	1.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.167880 °	38.167880 °
				-121.625572 °	-121.625572 °
DWR ID	DWR_RD0003_02_s_2017_130				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove remaining stump and branches from waterside slope.					

Photo 1 of 3 : SP\_2019\_RD0003\_25\_130\_20190311\_00094.jpg



View of fallen tree on waterside slope that has almost been completely removed (October 2018).

LM Start	<b>1.67</b>	Rating **	M	Issue No.	<b>130 (cont)</b>
LM End	<b>1.67</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP\_2019\_RD0003\_25\_130\_20190311\_00095.jpg



Looking south at the waterside slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	1.67	Rating **	M	Issue No.	130 (cont)	
LM End	1.67	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.167880 °		38.167880 °
				-121.625572 °		-121.625572 °
DWR ID	DWR_RD0003_02_s_2017_130					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Remove remaining stump and branches from waterside slope.						

Photo 3 of 3 : SP\_2019\_RD0003\_25\_130\_20190311\_00096.jpg



Looking south at fallen tree on waterward slope.

LM Start	2.01	Rating **	M	Issue No.	140
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.165740 °	38.165740 °
				-121.619970 °	-121.619970 °
DWR ID	DWR_RD0003_02_f_2015_140				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove pruning pile on waterside slope.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_140\_20190311\_00110.jpg



Looking south at the waterside slope.

LM Start	<b>2.01</b>	Rating **	M	Issue No.	<b>140 (cont)</b>
LM End	<b>2.01</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_140\_20190311\_00111.jpg



Looking at tree branches and tree limbs on waterward shoulder and slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	2.68	Rating **	C	Issue No.	131
LM End	2.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.164652 °	38.164765 °
				-121.607927 °	-121.607212 °
DWR ID	DWR_RD0003_02_s_2017_131				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.20	Rating **	M	Issue No.	7
LM End	3.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.167808 °	38.167808 °
				-121.599557 °	-121.599557 °
DWR ID	DWR_RD0003_02_s_2012_7				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
There is dense vegetation on the landside slope and toe.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_7\_20190311\_00007.jpg



Looking northwest at the landside slope.

LM Start	<b>3.20</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>3.20</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_7\_20190311\_00008.jpg



Looking north at fig tree at landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	3.30	Rating **	U	Issue No.	154
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.168750 °	38.168750 °
				-121.598152 °	-121.598152 °
DWR ID	DWR_RD0003_02_f_2017_154				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a downed tree on the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_154\_20190311\_00134.jpg



Looking northwest at the landside slope.

LM Start	3.78	Rating **	U	Issue No.	200
LM End	3.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174550 °	38.174550 °
				-121.593345 °	-121.593345 °
DWR ID	DWR_RD0003_02_f_2018_200				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the new arundo growth.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_200\_20190311\_00157.jpg



View of new arundo growth on the landside slope (October 2018).

LM Start	4.11	Rating **	C	Issue No.	145
LM End	4.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.178779 °	38.178779 °
				-121.590425 °	-121.590425 °
DWR ID	DWR_RD0003_02_f_2015_145				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Century plants on waterside shoulder and slope have been chopped back.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	4.11	Rating **	U	Issue No.	143
LM End	4.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.178782 °	38.178782 °
				-121.590418 °	-121.590418 °
DWR ID	DWR_RD0003_02_f_2015_143				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
There are large century plants on the landside shoulder and slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_143\_20190311\_00115.jpg



Looking north at century plants on landward shoulder and slope.

LM Start	4.65	Rating **	U	Issue No.	97
LM End	4.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.185317 °	38.185317 °
				-121.584870 °	-121.584870 °
DWR ID	DWR_RD0003_02_s_2017_97				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a fallen tree on the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_97\_20190311\_00074.jpg



Looking west at fallen tree on landward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	4.86	Rating **	A/W	Issue No.	127
LM End	4.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.187528 °	38.187781 °
				-121.582394 °	-121.582331 °
DWR ID	DWR_RD0003_02_f_2017_127				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District station 256+60 to 257+96, Sec. 19, T. 4 N. R. 4 E., M.D.M. Approximately 136 linear feet erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/4 of the way down the slope from the crown and extends to the rip rap.					
Site ID No:278					
Site Designation:LMA-104					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/26/2017					
Notes:					

Photo 1 of 3 : SP\_2019\_RD0003\_25\_127\_20190311\_00087.jpg



LM Start	<b>4.86</b>	Rating **	A/W	Issue No.	<b>127 (cont)</b>
LM End	<b>4.87</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : SP\_2019\_RD0003\_25\_127\_20190311\_00088.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	4.86	Rating **	A/W	Issue No.	127 (cont)	
LM End	4.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.187528 °	38.187781 °	
				-121.582394 °	-121.582331 °	
DWR ID	DWR_RD0003_02_f_2017_127					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description: District station 256+60 to 257+96, Sec. 19, T. 4 N. R. 4 E., M.D.M. Approximately 136 linear feet erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/4 of the way down the slope from the crown and extends to the rip rap.						
Site ID No: 278						
Site Designation: LMA-104						
Repair Type: Erosion						
Rating: Area of Concern						
Field Date: 7/26/2017						
Notes:						

Photo 3 of 3 : SP\_2019\_RD0003\_25\_127\_20190311\_00089.jpg



LM Start	4.94	Rating **	M	Issue No.	14
LM End	4.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.188344 °	38.188748 °
				-121.581414 °	-121.580743 °
DWR ID	DWR_RD0003_02_s_2012_14				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
There are untrimmed trees on the landside slope and toe.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_14\_20190311\_00016.jpg



Looking northeast at dense vegetation on landside shoulder and slope.  
(Fall 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	4.94	Rating **	M	Issue No.	14 (cont)	
LM End	4.98	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.188344 °		38.188748 °
				-121.581414 °		-121.580743 °
DWR ID	DWR_RD0003_02_s_2012_14					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						
There are untrimmed trees on the landside slope and toe.						

Photo 2 of 2 : SP\_2019\_RD0003\_25\_14\_20190311\_00017.jpg



Looking southwest at untrimmed trees on landward toe. (Spring 2016)

LM Start	4.94	Rating **	A/W	Issue No.	194
LM End	4.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.188248 °	-121.581225 °
				38.188248 °	-121.581225 °
DWR ID	DWR_RD0003_02_s_2019_194				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Rip rap is not as visible at this location. Inspect location when vegetation is less dense in the fall.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_194\_20190404\_00317.jpg



View looking downslope at potential erosion on the waterside slope (Spring 2019).

LM Start	5.03	Rating **	M	Issue No.	56
LM End	5.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.189227 °	38.189227 °
				-121.579983 °	-121.579983 °
DWR ID	DWR_RD0003_02_f_2018_56				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree limbs on landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_56\_20190311\_00039.jpg



View of tree limbs on the landside slope (October 2018).

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	5.57	Rating **	M	Issue No.	161
LM End	5.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.192528 °	38.192528 °
				-121.571192 °	-121.571192 °
DWR ID	DWR_RD0003_02_f _ 2017_161				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
There is a cactus on the waterside slope.					

No Photos

LM Start	6.19	Rating **	C	Issue No.	192
LM End	6.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.196862 °	38.200294 °
				-121.561550 °	-121.559346 °
DWR ID	DWR_RD0003_02_s_2018_192				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	6.57	Rating **	C	Issue No.	191
LM End	7.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.201947 °	38.210963 °
				-121.558857 °	-121.558567 °
DWR ID	DWR_RD0003_02_s_2018_191				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	7.43	Rating **	C	Issue No.	188
LM End	7.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.214326 °	38.217941 °
				-121.558655 °	-121.558415 °
DWR ID	DWR_RD0003_02_s_2018_188				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	8.11	Rating **	U	Issue No.	15
LM End	8.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.224130 °	38.224130 °
				-121.557206 °	-121.557206 °
DWR ID	DWR_RD0003_02_f_2015_15				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove broken tree branches on waterside shoulder and slope.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_15\_20190311\_00018.jpg



Looking northeast at broken and cracked tree branches on waterward slope.

LM Start	<b>8.11</b>	Rating **	U	Issue No.	<b>15 (cont)</b>
LM End	<b>8.11</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_15\_20190311\_00019.jpg



Looking east at broken and cracked tree branches on waterward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	8.11	Rating **	C	Issue No.	185
LM End	8.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224189 °	38.228139 °
				-121.557259 °	-121.557094 °
DWR ID	DWR_RD0003_02_s_2018_185				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	8.67	Rating **	M	Issue No.	196
LM End	8.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.232066 °	-121.558586 °
				38.232066 °	-121.558586 °
DWR ID	DWR_RD0003_02_s_2019_196				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
There is a bench on the waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_196\_20190404\_00318.jpg



View looking downslope at erosion on the waterside slope (Spring 2019).

LM Start	8.98	Rating **	M	Issue No.	176
LM End	8.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.236425 °	38.236425 °
				-121.559561 °	-121.559561 °
DWR ID	DWR_RD0003_02_f_2017_176				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	9.19	Rating **	U	Issue No.	184
LM End	10.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239175 °	38.238799 °
				-121.557848 °	-121.531847 °
DWR ID	DWR_RD0003_02_s_2019_184				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control annual vegetation.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_184\_20190404\_00334.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

LM Start	9.29	Rating **	U	Issue No.	63
LM End	9.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.240337 °	38.240337 °
				-121.556870 °	-121.556870 °
DWR ID	DWR_RD0003_02_s_2012_63				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim trees on the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_63\_20190404\_00320.jpg



View looking upstream at thick trees on the landside slope (Spring 2019).

LM Start	9.56	Rating **	M	Issue No.	64
LM End	9.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.242392 °	38.242501 °
				-121.552862 °	-121.551632 °
DWR ID	DWR_RD0003_02_s_2012_64				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_64\_20190311\_00042.jpg



Looking southwest at dense trees on landward shoulder and slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	9.82	Rating **	A/W	Issue No.	137
LM End	9.84	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.242006 °	38.241950 °
				-121.548117 °	-121.547681 °
DWR ID	DWR_RD0003_02_s_2019_137				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District station 518+55 to 519+81 , Sec. 33, T. 5 N. R. 4 E., M.D.M. Approximately 126 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/4 of the way down the slope from the crown and extends into the rip rap.					
Site ID No:279					
Site Designation:LMA-105					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/26/2017					
Notes:					

Photo 1 of 3 : SP\_2019\_RD0003\_25\_137\_20190311\_00101.jpg



Photo 2 of 3 : SP\_2019\_RD0003\_25\_137\_20190311\_00102.jpg



LM Start	<b>9.82</b>	Rating **	A/W	Issue No.	<b>137 (cont)</b>
LM End	<b>9.84</b>	Issue Type +	Ma	Location *	

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	9.82	Rating **	A/W	Issue No.	137 (cont)	
LM End	9.84	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.242006 °	38.241950 °	
				-121.548117 °	-121.547681 °	
DWR ID	DWR_RD0003_02_s_2019_137					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:District station 518+55 to 519+81 , Sec. 33, T. 5 N. R. 4 E., M.D.M. Approximately 126 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/4 of the way down the slope from the crown and extends into the rip rap.						
Site ID No:279						
Site Designation:LMA-105						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/26/2017						
Notes:						

Photo 3 of 3 : SP\_2019\_RD0003\_25\_137\_20190311\_00103.jpg



LM Start	10.01	Rating **	A/W	Issue No.	138
LM End	10.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.241481 °	38.241439 °
				-121.544569 °	-121.544353 °
DWR ID	DWR_RD0003_02_f_2017_138				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District station 528+97 to 529+58, Sec. 33, T. 5 N. R. 4 E., M.D.M. Approximately 61 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap.					
Site ID No:280					
Site Designation:LMA-106					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/26/2017					
Notes:					

Photo 1 of 3 : SP\_2019\_RD0003\_25\_138\_20190311\_00104.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	10.01	Rating **	A/W	Issue No.	138 (cont)	
LM End	10.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.241481 °	38.241439 °	
				-121.544569 °	-121.544353 °	
DWR ID	DWR_RD0003_02_f_2017_138					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description: District station 528+97 to 529+58, Sec. 33, T. 5 N. R. 4 E., M.D.M. Approximately 61 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap.						
Site ID No: 280						
Site Designation: LMA-106						
Repair Type: Erosion						
Rating: Area of Concern						
Field Date: 7/26/2017						
Notes:						

Photo 2 of 3 : SP\_2019\_RD0003\_25\_138\_20190311\_00105.jpg



LM Start	<b>10.01</b>	Rating **	A/W	Issue No.	<b>138 (cont)</b>
LM End	<b>10.03</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : SP\_2019\_RD0003\_25\_138\_20190311\_00106.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	10.99	Rating **	M	Issue No.	163
LM End	10.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.239377 °	38.239377 °
				-121.527177 °	-121.527177 °
DWR ID	DWR_RD0003_02_f_2018_163				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove dead branch from the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_163\_20190311\_00139.jpg



View of dead branch on landside slope (October 2018).

LM Start	11.21	Rating **	U	Issue No.	148
LM End	11.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.239968 °	38.239968 °
				-121.523293 °	-121.523293 °
DWR ID	DWR_RD0003_02_f_2018_148				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim fig trees that are sprouting.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_148\_20190311\_00122.jpg



View of newly sprouting fig trees on the landside slope (October 2018).

LM Start	11.26	Rating **	U	Issue No.	201
LM End	11.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.240012 °	38.240012 °
				-121.522418 °	-121.522418 °
DWR ID	DWR_RD0003_02_f_2018_201				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree limbs from the waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_201\_20190311\_00158.jpg



View of fallen tree that has been chopped up on the waterside slope (October 2018).

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	11.33	Rating **	M	Issue No.	118
LM End	11.41	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.239870 °	38.239992 °
				-121.520989 °	-121.519542 °
DWR ID	DWR_RD0003_02_f_2018_118				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 26.3 R					
Status: Repaired					
2018: Still pocket of erosion into waterside toe.					
2017 Field Notes: Repaired by locals.					
Site History: 2009 - Hole left in levee toe from a fallen tree. Could be repaired under maintenance. 2010 - Minor new erosion. 2015 - Minor new erosion at toe.					

Photo 1 of 3 : SP\_2019\_RD0003\_25\_118\_20190311\_00080.jpg



View of erosion at the waterside toe (October 2018).

LM Start	<b>11.33</b>	Rating **	M	Issue No.	<b>118 (cont)</b>
LM End	<b>11.41</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP\_2019\_RD0003\_25\_118\_20190311\_00081.jpg



USACE 2013 Photo #1

LM Start	<b>11.33</b>	Rating **	M	Issue No.	<b>118 (cont)</b>
LM End	<b>11.41</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2019\_RD0003\_25\_118\_20190311\_00082.jpg



USACE 2013 Photo #2

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	11.55	Rating **	M	Issue No.	24
LM End	11.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.241093°	38.241300°
				-121.517378°	-121.517073°
DWR ID	DWR_RD0003_02_s_2012_24				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	12.04	Rating **	M	Issue No.	115	
LM End	17.21	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.246690 °		38.302622 °
				-121.511985 °		-121.572522 °
DWR ID	DWR_RD0003_02_s_2019_115					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						
Control annual vegetation.						

Photo 1 of 2 : SP\_2019\_RD0003\_25\_115\_20190404\_00325.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

LM Start	<b>12.04</b>	Rating **	M	Issue No.	<b>115 (cont)</b>
LM End	<b>17.21</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_115\_20190404\_00326.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	12.33	Rating **	M	Issue No.	203
LM End	12.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.250887 °	38.250887 °
				-121.512157 °	-121.512157 °
DWR ID	DWR_RD0003_02_f_2018_203				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings on the waterside hinge point.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_203\_20190311\_00159.jpg



View of prunings on the waterside shoulder (October 2018).

LM Start	12.88	Rating **	N	Issue No.	135	
LM End	12.88	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Trim / Thin Trees			38.257244 °	38.257244 °	
				-121.518037 °	-121.518037 °	
DWR ID	DWR_RD0003_02_s_2018_135					
Comment Code						
T5 : Tree stumps.						
Inspector Comment						
There is a tree stump at levee toe.						

Photo 1 of 1 : SP\_2019\_RD0003\_25\_135\_20190404\_00331.jpg



View looking downslope at tree trunk at the bottom of the landside slope (Spring 2019).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	13.15	Rating **	A/W	Issue No.	139
LM End	13.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.260042 °	38.260219 °
				-121.521581 °	-121.521803 °
DWR ID	DWR_RD0003_02_f_2017_139				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description: District station 694+80 to 695+69, Sec. 27, 1. 5 N. R. 4 E., M.D.M. Approximately 89 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap.					
Site ID No: 281					
Site Designation: LMA-107					
Repair Type: Erosion					
Rating: Area of Concern					
Field Date: 7/26/2017					
Notes:					

Photo 1 of 3 : SP\_2019\_RD0003\_25\_139\_20190311\_00107.jpg



LM Start	<b>13.15</b>	Rating **	A/W	Issue No.	<b>139 (cont)</b>
LM End	<b>13.17</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : SP\_2019\_RD0003\_25\_139\_20190311\_00108.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	13.15	Rating **	A/W	Issue No.	139 (cont)	
LM End	13.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.260042 °	38.260219 °	
				-121.521581 °	-121.521803 °	
DWR ID	DWR_RD0003_02_f_2017_139					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description: District station 694+80 to 695+69, Sec. 27, 1. 5 N. R. 4 E., M.D.M. Approximately 89 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap.						
Site ID No: 281						
Site Designation: LMA-107						
Repair Type: Erosion						
Rating: Area of Concern						
Field Date: 7/26/2017						
Notes:						

Photo 3 of 3 : SP\_2019\_RD0003\_25\_139\_20190311\_00109.jpg



LM Start	13.43	Rating **	A/W	Issue No.	204
LM End	13.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.262822 °	-121.525300 °
				38.262822 °	-121.525300 °
DWR ID	DWR_RD0003_02_s_2019_204				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Inspect potential erosion spot further when vegetation is less dense in the fall.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_204\_20190404\_00319.jpg



View looking across the Sacramento River at potential erosion spot towards the top of the waterside slope (Spring 2019).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	13.86	Rating **	A/W	Issue No.	169
LM End	13.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.267084 °	38.267084 °
				-121.530939 °	-121.530939 °
DWR ID	DWR_RD0003_02_f_2017_169				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_169\_20190311\_00145.jpg



Looking southeast at the landside slope.

LM Start	14.86	Rating **	M	Issue No.	123
LM End	14.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.277082 °	38.277082 °
				-121.544185 °	-121.544185 °
DWR ID	DWR_RD0003_02_f_2018_123				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim trees at the landside toe.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	15.00	Rating **	A/W	Issue No.	142
LM End	15.07	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.278806 °	38.279444 °
				-121.545817 °	-121.546647 °
DWR ID	DWR_RD0003_02_f_2017_142				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District station 792+44 to 795+74, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 330 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap.					
Site ID No:282					
Site Designation:LMA-108					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/28/2017					
Notes: no berm					

Photo 1 of 3 : SP\_2019\_RD0003\_25\_142\_20190311\_00112.jpg



Photo 2 of 3 : SP\_2019\_RD0003\_25\_142\_20190311\_00113.jpg



LM Start	<b>15.00</b>	Rating **	A/W	Issue No.	<b>142 (cont)</b>
LM End	<b>15.07</b>	Issue Type +	Ma	Location *	

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	15.00	Rating **	A/W	Issue No.	142 (cont)	
LM End	15.07	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.278806 °	38.279444 °	
				-121.545817 °	-121.546647 °	
DWR ID	DWR_RD0003_02_f_2017_142					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:District station 792+44 to 795+74, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 330 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap.						
Site ID No:282						
Site Designation:LMA-108						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/28/2017						
Notes: no berm						

Photo 3 of 3 : SP\_2019\_RD0003\_25\_142\_20190311\_00114.jpg



LM Start	15.37	Rating **	M	Issue No.	134
LM End	15.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.282243 °	38.282243 °
				-121.550917 °	-121.550917 °
DWR ID	DWR_RD0003_02_s_2017_134				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_134\_20190311\_00098.jpg



Looking southwest at the landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	15.43	Rating **	N	Issue No.	122
LM End	15.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.282672 °	38.282672 °
				-121.551847 °	-121.551847 °
DWR ID	DWR_RD0003_02_f_2018_122				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Remove tree stump from the landside toe.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_122\_20190311\_00085.jpg



View of large stump at the landside toe of the levee (October 2018).

LM Start	15.46	Rating **	A/W	Issue No.	149
LM End	15.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.283119 °	38.283172 °
				-121.552250 °	-121.552347 °
DWR ID	DWR_RD0003_02_f_2017_149				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District station 816+64 to 816+97, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 33 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 ofthe way down the slope from the crown and extends into the rip rap. A section of rip rap has eroded away in this location.					
Site ID No:283					
Site Designation:LMA-109					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/26/2017					
Notes:					

Photo 1 of 3 : SP\_2019\_RD0003\_25\_149\_20190311\_00123.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	15.46	Rating **	A/W	Issue No.	149 (cont)	
LM End	15.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.283119 °	38.283172 °	
				-121.552250 °	-121.552347 °	
DWR ID	DWR_RD0003_02_f_2017_149					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:District station 816+64 to 816+97, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 33 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 ofthe way down the slope from the crown and extends into the rip rap. A section of rip rap has eroded away in this location.						
Site ID No:283						
Site Designation:LMA-109						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/26/2017						
Notes:						

Photo 2 of 3 : SP\_2019\_RD0003\_25\_149\_20190311\_00124.jpg



LM Start	<b>15.46</b>	Rating **	A/W	Issue No.	<b>149 (cont)</b>
LM End	<b>15.47</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : SP\_2019\_RD0003\_25\_149\_20190311\_00125.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	15.70	Rating **	M	Issue No.	116
LM End	15.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.285349 °	38.285349 °
				-121.555548 °	-121.555548 °
DWR ID	DWR_RD0003_02_s_2019_116				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Remove fallen palm tree limbs.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_116\_20190404\_00327.jpg



View looking downslope at fallen palm limbs at the bottom of the landside slope (Spring 2019).

LM Start	15.94	Rating **	M	Issue No.	124
LM End	15.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.288009 °	38.288009 °
				-121.558398 °	-121.558398 °
DWR ID	DWR_RD0003_02_s_2018_124				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
There is vehicle erosion on the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_124\_20190311\_00086.jpg



Vehicle erosion on landside slope should be repaired.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

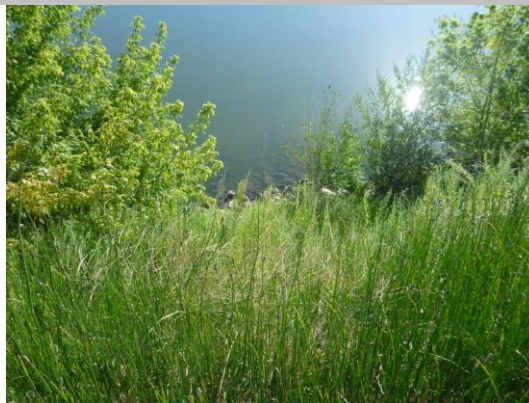
## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	16.54	Rating **	A/W	Issue No.	150
LM End	16.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.294717 °	38.294986 °
				-121.565417 °	-121.565661 °
DWR ID	DWR_RD0003_02_f_2017_150				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District station 873+61 to 874+83, Sec. 08, T. 5 N. R. 4 E., M.D.M. Approximately 122 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends beyond the rip rap. A section of rip rap has eroded away in this location.					
Site ID No:284					
Site Designation:LMA-110					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/28/2017					
Notes: no berm					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_150\_20190311\_00126.jpg



LM Start	<b>16.54</b>	Rating **	A/W	Issue No.	<b>150 (cont)</b>
LM End	<b>16.56</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : SP\_2019\_RD0003\_25\_150\_20190311\_00127.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	16.90	Rating **	A/W	Issue No.	152
LM End	16.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.298914 °	38.298997 °
				-121.569156 °	-121.569217 °
DWR ID	DWR_RD0003_02_f_2017_152				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District station 892+36 to 892+70, Sec. 08, T. 5 N. R. 4 E., M.D.M. Approximately 34 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap. A section of rip rap has eroded away in this location.					
Site ID No:285					
Site Designation:LMA-111					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/28/2017					
Notes: highway on crown					

Photo 1 of 3 : SP\_2019\_RD0003\_25\_152\_20190311\_00130.jpg



LM Start	<b>16.90</b>	Rating **	A/W	Issue No.	<b>152 (cont)</b>
LM End	<b>16.90</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : SP\_2019\_RD0003\_25\_152\_20190311\_00131.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

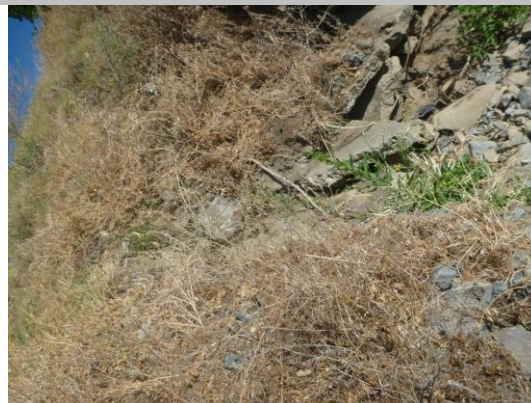
## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	16.90	Rating **	A/W	Issue No.	152 (cont)
LM End	16.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.298914 °	38.298997 °
				-121.569156 °	-121.569217 °
DWR ID	DWR_RD0003_02_f_2017_152				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District station 892+36 to 892+70, Sec. 08, T. 5 N. R. 4 E., M.D.M. Approximately 34 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap. A section of rip rap has eroded away in this location.					
Site ID No:285					
Site Designation:LMA-111					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/28/2017					
Notes: highway on crown					

Photo 3 of 3 : SP\_2019\_RD0003\_25\_152\_20190311\_00132.jpg



LM Start	17.27	Rating **	M	Issue No.	114
LM End	17.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.303351 °	38.303351 °
				-121.573084 °	-121.573084 °
DWR ID	DWR_RD0003_02_s_2019_114				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
There is a depression on the landside slope.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_114\_20190404\_00323.jpg



View looking downstream at depression on the landside slope (Spring 2019).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	17.27	Rating **	M	Issue No.	114 (cont)	
LM End	17.27	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.303351 °		38.303351 °
				-121.573084 °		-121.573084 °
DWR ID	DWR_RD0003_02_s_2019_114					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
There is a depression on the landside slope.						

Photo 2 of 2 : SP\_2019\_RD0003\_25\_114\_20190404\_00324.jpg



View looking downslope at depression on the landside slope (Spring 2019).

LM Start	17.29	Rating **	N	Issue No.	113
LM End	17.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.303558 °	38.303558 °
				-121.573380 °	-121.573380 °
DWR ID	DWR_RD0003_02_s_2019_113				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
There is a tree stump about 6" at bottom of the levee slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_113\_20190404\_00322.jpg



View looking downslope at tree stumps on the landside (Spring 2019).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cross Levee		0.43	04/03/2019 04/03/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.182267 °	38.175989 °
				-121.653511 °	-121.653772 °
DWR ID	DWR_RD0003_03_s_2019_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Continue to maintain annual vegetation at a high rate.					

Photo 1 of 1 : SP\_2019\_RD0003\_610\_2\_20190403\_00003.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.182267 °	38.175989 °
				-121.653511 °	-121.653772 °
DWR ID	DWR_RD0003_03_s_2019_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Continue to maintain annual vegetation at a high rate.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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